

Title (en)

DEVICE FOR MOUNTING A TOILET SEAT ASSEMBLY TO AND FROM A TOILET BOWL

Title (de)

VORRICHTUNG ZUM MONTIEREN BZW. DEMONTIEREN EINER TOILETTENSITZANORDNUNG AN UND VON EINER TOILETTENSCHÜSSEL

Title (fr)

DISPOSITIF POUR LE MONTAGE ET LE DÉMONTAGE D'UN ENSEMBLE LUNETTE DE TOILETTES SUR UNE CUVETTE DE TOILETTES

Publication

EP 3995060 A1 20220511 (EN)

Application

EP 20206159 A 20201106

Priority

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Abstract (en)

The invention regards a device for mounting a toilet seat assembly (100) to and from a toilet bowl (4). The device comprises the toilet seat assembly (100) with a toilet lid (1) and a toilet seat (2), a hinge sleeve (5) that forms an axis that connects the toilet lid (1) and the toilet seat (2), a hinge body package (6), and a hinge base (7) with a pin (14), wherein the pin (14) is connectable to the hinge body package (6), and wherein the pin (14) comprises a pin axis that defines a vertical direction. It is provided that the hinge body package (6) comprises a claw part (12) with flexible claws (15) that are configured to lock the pin (14) in a locking position and that are configured to release the pin (14) by bending outwards from the locking position when a pulling force is acting on the pin for releasing the toilet seat assembly (2) from the toilet bowl (4). The hinge body package (6) further comprises a blocking member (11) that is configured to rotate by a defined angle each time the pin (14) is pushed into the hinge body package (6), wherein, depending on the rotational position of a blocking member (11), the flexible claws (15) are either inhibited from bending outwards in which case the flexible claws (15) remain in the locking position or allowed to bend outwards when a pulling force is acting on the pin (14) to release the pin (14).

IPC 8 full level

A47K 13/26 (2006.01)

CPC (source: EP US)

A47K 13/12 (2013.01 - US); **A47K 13/26** (2013.01 - EP)

Citation (applicant)

- EP 3305152 B1 20200212 - TOK BEARING CO LTD [JP]
- EP 2946709 B1 20180829 - ETABLISSEMENTS DUBOURGEL GRANGE [FR]

Citation (search report)

- [AD] EP 3305152 A1 20180411 - TOK BEARING CO LTD [JP]
- [A] DE 202019104335 U1 20190813 - ZHEJIANG HENGYUAN SANITARY WARE CO LTD [CN]
- [A] CN 201197690 Y 20090225 - BINHUA GONG [CN]
- [A] CN 201500071 U 20100609 - XIAMEN BAYEN SANITARY WARE CO LTD

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DOCDB simple family (application)

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